STIC — Scientific & Technical Information Center

Search Report
EIC 2100

STIC Database Tracking Number: 234114

To: QUOC TRAN Location: RND-3A60 Art Unit: 2176 Tuesday, August 14, 2007 **Case Serial Number: 10/811234**	**From: CAROL WONG** Location: EIC2100 RND-4B28 / RND-4A30 Phone: (571)272-3513 carol.wong@uspto.gov

Search Notes

Examiner TRAN:

Attached are the search results for your case.

Color tags mark the patents/articles which appear to be most relevant to the case. Color of tag has no significance. Pls review all documents, since untagged items might also be of interest.

Pls call if you have any questions or suggestions for additional terminology, or a different approach to searching the case.

Thx, Carol

234114

Today's Date:

8-14-07

What date would you like to use to limit the search?

Priority Date: 03/26/04   Other:

Name _CHOC A. TRAN_

AU _2176_   Examiner # _80135_

Room # _RWD-3A60_ Phone _X 8664_

Serial # _10/811,234_

Format for Search Results (Circle One):

(PAPER)   DISK   EMAIL

Where have you searched so far?

(USP)   DWPI   (EPO)(JPO)   ACM   (IBM TDB)

IEEE   INSPEC   SPI   Other _____

Is this a "Fast & Focused" Search Request? (Circle One) (YES)   NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Is this request for a BOARD of APPEALS case? (Circle One)   YES   (NO)

Is this case a SPECIAL CASE?   (Circle One)   YES   (NO)

Claims: excel spreadsheet includes:

formulaically bounding an application cell to (range values) w/ type arguments.

range #   for each cell individual

range

min/max
upper lower threshold
bound
limit

STIC Searcher _C. Wong_   **Phone** _2-3513_

Date picked up _8-14_   **Date Completed** _8-14-07_

email 40665

Set	Items	Description
S1	687766	CELL OR CELLS
S2	2641	S1(5N)BOUND?
S3	6470618	BOUND? OR LIMIT??? OR LIMITATION? ? OR RESTRICT? OR CONFIN-??? OR CONFINEMENT? OR PROSCRIB? OR PRESCRIB? OR ALLOW? OR DE-FIN??? OR DEFINITION? OR FINITE OR CIRCUMSCRI?
S4	439498	S3(5N)(VALUE OR VALUES OR DATA OR NUMBER? ? OR NUMERIC??)
S5	27517	S3(5N)VARIABLE? ?
S6	3136	S3(5N)(NUMERAL? ? OR DIGIT? ? OR INTEGER? ? OR DATUM? ?)
S7	2659527	RANGE? ? OR RANGING OR ENDPOINT? OR STARTPOINT?
S8	576820	(START??? OR BEGIN???? OR COMMENC??? OR COMMENCEMENT?)(30N-)(TERMINAT??? OR END? ? OR ENDED OR ENDING? ? OR CONCLUD? OR -CONCLUS?)
S9	232723	(MAXIMUM? OR UPPER OR BOUNDMAX? OR MAXBOUND? OR HIGHEST OR GREATEST)(30N)(MINIMUM? OR LOWER OR BOUNDMIN OR MINBOUND? OR -LOWEST OR SMALLEST OR LEAST OR BOTTOM)
S10	1867	MAXMIN OR MINMAX OR MIN(1W)MAX
S11	82262	SPREADSHEET? OR SPREAD()SHEET? ?
S12	14816	WORKSHEET? OR WORK()SHEET? ?
S13	4308	S1(30N)S4:S6
S14	474	(S2 OR S13)(50N)S7:S10
S15	50	S14(100N)S11:S12
S16	20911	(S2 OR S4:S6)(30N)S7:S10
S17	496	S16(50N)S1
S18	44	S17(100N)S11:S12
S19	55	S15 OR S18
S20	5	S19/2005:2007
S21	50	S19 NOT S20
S22	46	RD (unique items)

? t22/3,k/8-9,11,15,21-22,29-31,38,40,46

22/3,K/8   (Item 8 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2007 ProQuest Info&Learning. All rts. reserv.

01658419 03-09409
Capital-budgeting decisions using "crystal ball"
Atkinson, Stanley; Kelliher, Charles; LeBruto, Stephen
Cornell Hotel & Restaurant Administration Quarterly v38n5 PP: 20-27 Oct
1997
ISSN: 0010-8804 JRNL CODE: CHR
WORD COUNT: 3484

...TEXT: as explained below.8

Once the deterministic model is complete, Crystal Ball or @RISK (another
spreadsheet insert) is used to replace the single-point estimate in each
cell with the appropriate...

...data that may be skewed, or with data that can only be estimated by a
range of possible values.

Help for the user. The probability distribution **defines** the **range** of
values that the **cell** may take on during the simulation, while the shape
of the distribution determines the number...

22/3,K/9   (Item 9 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2007 ProQuest Info&Learning. All rts. reserv.

01540413 01-91401
Spreadsheet helps optimize four-bar linkages
Mule, Michael S
Machine Design v69n22 PP: 106-108 Nov 20, 1997
ISSN: 0024-9114 JRNL CODE: MDS
WORD COUNT: 568

...TEXT: angles a and : (Formula Omitted)

where a, b, c, and d are link lengths.

The **spreadsheet** method requires users provide three angular positions of
the crank and three corresponding positions of the follower. A **spreadsheet**
 then solves three simultaneous equations for k sub 1 k sub 2 , and k sub
...

...fixed frame length, determines the scale of the mechanism.

When solving a problem using a **spreadsheet** optimizer such as Quattro Pro,
first specify the variable **cells** to be adjusted, then specify constraint
cells that must fall within certain **limits** or satisfy target **values** .
Users can also specify a solution **cell** to minimize, maximize, or set to a
certain value.

For the four-bar generator, the table **Spreadsheet** labels shows how the
cells are set up. Formulas appear in **Spreadsheet** equations. The given
parameters or inputs are the crank **starting** and **ending** angles, the
corresponding follower angles, the fixed frame length, and most
importantly, the intermediate angles...

...A9.

(Chart Omitted)

Captioned as: Planning a planar four-bar linkage

(Table Omitted)

Captioned as: **Spreadsheet** equations

Inputs and outputs for a four-bar calculator

To set up the optimizer, cells...

22/3,K/11   (Item 11 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2007 ProQuest Info&Learning. All rts. reserv.

01210288 98-59683
How to make spreadsheets error-proof
Freeman, David
Journal of Accountancy v181n5 PP: 75-77 May 1996
ISSN: 0021-8448 JRNL CODE: JAC
WORD COUNT: 1817

...TEXT: Illustration Omitted)

(Illustration Omitted)

(Illustration Omitted)

Limit controls. These prevent entry of figures outside tolerable ranges .

As shown in exhibit 4, above, depreciation must be between 0% and 75%.
Cells B2...

...contains the formula =IF(OR(B5<B2,B5>C2),"outside limit",B5). In
English, this **cell** says that if the depreciation rate is less than 0% or
greater than 75%, display "outside limit ," otherwise give the **value** in
cell B5.

Reasonableness. Are numeric data being entered where text is expected or
vice versa?

In exhibit 5, at right, data have been transposed in **cells** B2 and B3.
Cell D2 contains the formula =IF(ISTEXT(B2),B2,"name must be text"). This
formula says...

...these and other types of controls varies depending on a user's specific
requirements. The **spreadsheet** should not be able to produce output unless
all the controls indicate there are no...

22/3,K/15   (Item 15 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2007 ProQuest Info&Learning. All rts. reserv.

00791085 94-40477
An overview of one fuzzy logic software package
Anonymous
Management Accounting v75n4 PP: 41 Oct 1993
ISSN: 0025-1690 JRNL CODE: NAA
WORD COUNT: 382

ABSTRACT: FuzziCalc, by FuziWare, Inc., is a **spreadsheet** software package
based on fuzzy logic. Each cell in the **spreadsheet** is uniquely
identified by an alphabetic column heading and a numeric row heading.
Using a mouse, the user can select whether each **cell** value will be

represented by a single number or a fuzzy belief distribution. When a user has chosen to represent a **cell** value with a fuzzy belief distribution, the system prompts the user to input the high and low **values** that **define** the **range** of possible outcomes.
TEXT: 1. FuziCalc is a **spreadsheet** software package based on fuzzy logic. Each cell in the **spreadsheet** is uniquely identified by an alphabetic column heading and a numeric row heading. All values on the **spreadsheet** can be manipulated mathematically.

2. Using a mouse, the user can select whether each **cell** value will be represented by a single number or a fuzzy belief distribution (similar to Figure 1). (Figure 1 omitted)

3. When a user has chosen to represent a **cell** value with a fuzzy belief distribution, the system prompts the user to input the high and low **values** that **define** the **range** of possible outcomes (similar to the (0,0) and (2,000,0) coordinates in Figure 1).

4. Once the **range** of possible outcomes has been established, the user can select one of four graphically displayed...

22/3,K/21   (Item 21 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2007 ProQuest Info&Learning. All rts. reserv.

00690528 93-39749
Excel tool offers graphical controls
Walkenbach, John
InfoWorld v15n14 PP: 105 Apr 5, 1993
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 441

...TEXT: in that lets you create and display graphical controls to quickly change the values in **worksheet** cells. The program offers vertical and horizontal sliders and a circular dial control. Quattro Pro...

...easier.

After you install the program, Excel displays the new Sliders menu option. Select a **cell** that you want to vary graphically, then choose the Sliders Create command. A dialog box lets you specify a few options, such as the control type, the **minimum** and **maximum** **allowable** **values** , the step increment, a name (up to 31 characters with no spaces), and the numeric format that displays in the control. Manipulating the control immediately changes the value in that **cell** .
Each slider or dial appears in its own window, which is movable but not resizable...

22/3,K/22   (Item 22 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2007 ProQuest Info&Learning. All rts. reserv.

00682373 93-31594
1-2-3 for Windows to sport major interface change
Barney, Doug; Hammett, Jim
InfoWorld v15n12 PP: 1, 8 Mar 22, 1993
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 394

...TEXT: a lot of functions that cover engineering, finance, and annuities."

Release 4 includes a tabbed **worksheet** model that allows users to toggle

through sheets by simply clicking the tab.

To ease...

...that shows the most recently selected object, such as a chart, database query, range, or **cell** . Users can choose named **ranges** to post into a formula or move through a **worksheet** via named **ranges** .

Also, Release 4 supports a variety of alignment options for both text and **numeric** entries. These options **allow** users to align **data** over a **range** of columns and rotate and wrap text within a **cell** .

In addition, 1-2-3 users can query multiple database tables simultaneously and do relational...

  22/3,K/29   (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2007 ProQuest. All rts. reserv.

TEXT:
...   existing toolbars at the top of the document or as a floating box within the **spreadsheet** .
    To add a scroll bar to the **spreadsheet** , we click on the scroll-bar button ... and then click and drag it in the **spreadsheet** to create a long, narrow rectangle where we want to place the scroll bar. When...

...the scroll bars are in place, we must format each scroll bar to determine the **maximum** value, the **minimum** value, and the step increment for each. We must also **define** which **cell** 's **value** will be controlled by the scroll bar. To format a scroll bar, we either right...
...parameters a and b to take on integral values (-10, 10). However, Excel does not **allow** users to enter negative **values** as **maximum** or **minimum** values of the scroll bar. We therefore set the **minimum** value to 0, the **maximum** value to 20, and the incremental change to 1. We will later perform a computation...

...to (-10, 10). To indicate where we would like the value to appear in the **spreadsheet** , we type in the absolute reference for the **cell** (or simply click on the **cell**) in the Cell Link box. A cell link of B9 indicates that the current...

  22/3,K/30   (Item 2 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2007 ProQuest. All rts. reserv.

WORD COUNT: 1929

TEXT:
...   digitize locations. The user is reliably prompted to fill in
required input, and the necessary **cells** are highlighted. Input data
descriptions of model elements, aquifer geometry, and hydrogeologic
properties are entered in **spreadsheet**-like **cells** . When the cursor
passes over the data **cell** , the user is supplied with contextsensitive
information about the appropriate **data** and any **restrictions** to the
range of **values** that might be relevant for the data type. For example,
the user is informed that...

 22/3,K/31   (Item 3 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2007 ProQuest. All rts. reserv.

01970933   (USE FORMAT 7 OR 9 FOR FULLTEXT)
The pointer function--An invaluable calculational tool
Freiser, Henry
Journal of Chemical Education (ICHE), v71 n4, p297-299
 Apr 1994
 ISSN: 0021-9584   JOURNAL CODE: ICHE
 DOCUMENT TYPE: Feature
 LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2323   LENGTH: Long (31+ col inches)

TEXT:
...   like those for Bronsted acid-base systems.)
    As with the acid-base system, when the **spreadsheet** layout appears on
the screen, use the first row to suitably label all the columns...
containing species, log [Cu(NH sub 3) sub i sup 2+].
    Next, enter starting in **cell** A2 a **range** of values of log [NH sub 3
] from -6 to 0, at suitable intervals, for example, increments of 0.1. This
 range is **bounded** by a **value** low enough (at least one unit lower than
-log K sub f1) so that [Cu...

...f4) that the fully formed complex is the major species. This is
accomplished by the **spreadsheet** command:/EF{BF;/DF}. Now, for cell B2,
write the formula defining [NH sub 3...

 22/3,K/38   (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2007 CMP Media, LLC. All rts. reserv.

01108865   CMP ACCESSION NUMBER: WIN19961101S0125
Plug into the Office of the Future - Our peek at a   prerelease copy of
    Office 97 revealed some "i"-catching innovations that key in on
    integration, the Internet and intranets.
Joel T. Patz and James E. Powell
WINDOWS MAGAZINE, 1996, n 711, PG194
PUBLICATION DATE: 961101
JOURNAL CODE: WIN   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Feature
WORD COUNT: 4359

...   colors to help you understand chart ranges. For instance , when
viewing a chart within a **spreadsheet** , you can click on a bar in a chart
and watch Excel display a different...

...what numbers are plotted where. Again, you can drag the frame to the
correct cell **range** and your chart will be automatically updated. Color
is also used for conditional formats; these display a **cell** in a

different color based on rules you set, such as red to indicate a **value**
greater than a maximum **limit** .

The new AutoCorrect fixes formulas, too. It can add the closing
parenthesis to SUM(B1:B4., eliminate double operators (A1++A2), fix
incorrect **cell** addresses (changing 1A to A1) and correct implied
multiplication (converting 3(A1) to 3*A1...the cursor to change the
dimension.

Collaboration features get good marks. You can view any **worksheet**
with your own personal settings, such as print, filter and view settings.
You can add....

...someone else's comments, merge workbooks at regular intervals, and
track, accept or reject changes. **Cell** tips on each highlighted **cell**
explain what changed, who made the change and the time the change was
made.

Excel's new **data** validation lets you **define** simple input rules
without writing code (you can specify **range** values or list permissible
values by choosing options from a dialog box). You can even ask Excel to
find and circle all invalid **cells** in red.

Excel's developers focused closely on improving the appearance of
published charts. You...

22/3,K/40   (Item 3 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2007 CMP Media, LLC. All rts. reserv.

01035619   CMP ACCESSION NUMBER: eet19941121S0049
Patent Office clear on fuzzy spreadsheet (Tech files)
R. COLIN JOHNSON
ELECTRONIC ENGINEERING TIMES, 1994, n 824, PG38
PUBLICATION DATE: 941121
JOURNAL CODE: eet   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: technology
WORD COUNT: 333

... a ``fuzzy spreadsheet data-processing system,'' FuziCalc can
perform the same operations as a conventional **spreadsheet** . The
difference covered by the patent is that its cells can be transformed into
fuzzy values. ``Our patent is quite broad, covering any use of fuzzy
numbers in a **spreadsheet** ,'' said FuziWare president Karl Thorndike.

Neural, genetic and other cognizer technology add-ons already exist
for **spreadsheets** , but Thorndike claims that using fuzzy numerical
processing cannot be added on. ``Fuzzy numbers must be built into a
spreadsheet from the beginning, and now we have the patent on that
process,'' he said.

Conventional **spreadsheet** cells hold crisp numerical values, text or
formulas.

In addition, FuziCalc **cells** can hold fuzzy values that formulas can
operate upon in the same manner as crisp...

...about'' 500 units per day, with 350 and 750 units a day defined as the
lower and **upper** limits of this fuzzy **number** . Any references to this
value in **cells** or their formulas will, of course, produce fuzzy results,
which then can be fed into...

22/3,K/46   (Item 3 from file: 674)
DIALOG(R)File 674:Computer News Fulltext
(c) 2006 IDG Communications. All rts. reserv.

002954
Planperfect: A few advantages
Journal: Computerworld   Page Number: 45

Text:
Wordperfect Corp.'s Planperfect is a full-featured **spreadsheet** featuring simple **spreadsheet** linking capability, database features and presentation graphics. Version 5 includes two new command interfaces: a...

...functions, plus several additional functions. It also duplicates 1-2-3's regression, matrix and **data** table tools and offers user- **defined** functions.

Planperfect's For Each function is particularly useful. It returns a list of values from a **range** that meet a specified condition. It is used in conjunction with other functions such as...

...a plus sign will sum the preceding vertical range of numbers, creating a subtotal. A **cell** with two plus signs will add the first level of subtotals, three plus signs will...

```
Set     Items    Description
S1    1261912    CELL OR CELLS
S2       4656    S1(5N)BOUND?
S3   13051798    BOUND? OR LIMIT??? OR LIMITATION? ? OR RESTRICT? OR CONFIN-
                 ??? OR CONFINEMENT? OR PROSCRIB? OR PRESCRIB? OR ALLOW? OR DE-
                 FIN??? OR DEFINITION? OR FINITE OR CIRCUMSCRI?
S4     920472    S3(5N)(VALUE OR VALUES OR DATA OR NUMBER? ? OR NUMERIC??)
S5      47144    S3(5N)VARIABLE? ?
S6       7645    S3(5N)(NUMERAL? ? OR DIGIT? ? OR INTEGER? ? OR DATUM? ?)
S7    5984994    RANGE? ? OR RANGING OR ENDPOINT? OR STARTPOINT?
S8    1070682    (START??? OR BEGIN???? OR COMMENC??? OR COMMENCEMENT?)(30N-
                 )(TERMINAT??? OR END? ? OR ENDED OR ENDING? ? OR CONCLUD? OR -
                 CONCLUS?)
S9     421872    (MAXIMUM? OR UPPER OR BOUNDMAX? OR MAXBOUND? OR HIGHEST OR
                 GREATEST)(30N)(MINIMUM? OR LOWER OR BOUNDMIN OR MINBOUND? OR -
                 LOWEST OR SMALLEST OR LEAST OR BOTTOM)
S10      5729    MAXMIN OR MINMAX OR MIN(1W)MAX
S11    219731    SPREADSHEET? OR SPREAD()SHEET? ?
S12     37464    WORKSHEET? OR WORK()SHEET? ?
S13      8193    S1(20N)S4:S6
S14     33646    S4:S6(20N)S7:S10
S15     12011    S11:S12(20N)S1
S16       483    S13(S)S14
S17       112    S16(S)S15
S18         7    S17/2004:2007
S19       105    S17 NOT S18
S20        57    RD  (unique items)
```

? t20/3,k/1-2,6,8-9,12,22,24,34,45,47,49,55-56

20/3,K/1   (Item 1 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2007 The Gale Group. All rts. reserv.

00589856 Supplier Number: 23079379   (USE FORMAT 7 OR 9 FOR FULLTEXT)
Patent Office clear on fuzzy spreadsheet
(Fuziware files for application for protection of its FuziCalc
  fuzzy-logic-based spreadsheet; Patent Office allows application)
Electronic Engineering Times, n 824, p 38
November 21, 1994
DOCUMENT TYPE: Journal ISSN: 0192-1541 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 328

    (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...using fuzzy numerical processing cannot be added on. "Fuzzy numbers must
be built into a **spreadsheet** from the beginning, and now we have the
patent on that process," he said.

Conventional **spreadsheet**   **cells** hold crisp numerical values, text or
formulas.

In addition, FuziCalc **cells** can hold fuzzy values that formulas can
operate upon in the same manner as crisp...

...about" 500 units per day, with 350 and 750 units a day defined as the
lower and upper **limits** of this fuzzy **number** . Any references to this
value in **cells** or their formulas will, of course, produce fuzzy results,
which then can be fed into...

20/3,K/2   (Item 1 from file: 13)
DIALOG(R)File 13:BAMP
(c) 2007 The Gale Group. All rts. reserv.

00531578   Supplier Number: 23627950 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Simulation Modeling and DOE
(Design of Experiments is a systematic approach known as statistical
   experimental design that helps in simulation modeling)
IIE Solutions, v 28, n 9, p 24-30
September 1996
DOCUMENT TYPE: Journal ISSN: 1085-1259 (United States)
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4008

    (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...Operators. The corresponding equation was entered for %Idle referencing
the same Barrels Available and Operators **cells** . Constraints, including
the desired limits on the %Idle equation, and **limits** on the range of
values for Barrels Available and Operators were entered. Executing the
Solver tool yielded an optimized value for the target   **cell** . A copy of
the Excel **spread**   **sheet** and the answer report generated by Solver is
also shown in Figure 6.
Figure 6
Target **Cell** (Max)

Cell	Name	Original Value	Final Value
B3	Barrels Prcssd.	495.B	156.76

Adjustable Cells...

20/3,K/6   (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

03081887   Supplier Number: 44196761 (USE FORMAT 7 FOR FULLTEXT)
FORECASTING AND RISK ANALYSIS
Wall Street & Technology, p52
Nov, 1993
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 167

...   strategic planners, investors, entrepreneurs and other
professionals whose jobs involve analyzing risk and forecasting financial
values .
     Crystal Ball works by allowing the user to apply either a range
of values or a probability distribution to each spreadsheet   cell
containing an uncertain number. The software generates random values for
each of the cells , recalculates it numerous times and graphically
displays the distribution of results ranging from highest and...

20/3,K/8   (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2007 The Gale group. All rts. reserv.

04412269   SUPPLIER NUMBER: 17800663   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Formula One 3.0. (Visual Components' spreadsheet software)(one of five
   articles on five OLE controls searchable under "Prepackaged Power II More
   New OCX Controls") (PC Tech) (Software Review)(Evaluation)
Plain, Stephen W.
PC Magazine, v15, n3, p222(2)
Feb 6, 1996
DOCUMENT TYPE: Evaluation   ISSN: 0888-8507   LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 779   LINE COUNT: 00064

...   the workbook at runtime, but adds a formatting toolbar. You can use
it to format cells , open Excel files, place charts, draw shapes, and
perform many other formatting operations.
     Of course, no spreadsheet is complete without all those
hard-to-remember functions. Formula One comes with 130 functions, including
financial, trigonometric, date/time, and string conversion calls. You can
also define   data validation rules for ranges of cells to enforce
proper data entry. And you can bind Formula One workbooks to ODBC data...

20/3,K/9   (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2007 The Gale group. All rts. reserv.

04159346   SUPPLIER NUMBER: 16295709   (USE FORMAT 7 OR 9 FOR FULL TEXT)
FuziCalc: for when the world isn't black and white. (Evaluation of
   FuziWare's FuziCalc 1.5 Windows spreadsheet) (First Looks) (Software
   Review) (Brief Article)
Rosenthal, Steve
PC Magazine, v13, n22, p51(1)
Dec 20, 1994
DOCUMENT TYPE: Brief Article   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 450   LINE COUNT: 00035

... of 3 feet? That type of unfortunate information leveling probably
won't happen to your **spreadsheet** calculations if you use FuziCalc,
Version 1.5. Rather than **limiting** spreadsheet **cell** **values** to single
numbers , this $199 Windows **spreadsheet** works with a **range** of possible
values , allowing FuziCalc to deal with the gray areas of business
forecasting.
For example, if you're...

20/3,K/12   (Item 5 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
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03970240   SUPPLIER NUMBER: 14482744   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Risk forecasting based on spreadsheet data. (new version 3.0 of
  Decisioneering Inc.'s Crystal Ball add-in statistical analysis software
  package) (Software Review) (Evaluation)
Ross, Randy
PC World, v11, n11, p112(1)
Nov, 1993
DOCUMENT TYPE: Evaluation   ISSN: 0737-8939   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 449   LINE COUNT: 00035

...   spreadsheet and typical forecasting packages can't handle as
easily.
To use this add-in, **define** a **range** of **values** for **spreadsheet**
cells containing variables that you're uncertain of and from the 16
probability distributions, or statistical...

...clearly explains which distributions to use when.) You can assign
distinct distributions to the different **variables** in your spreadsheet.
After **defining** a distribution for the **variables** , you **define** the
affected formulas and run a simulation. The program plugs random **values**
from the **defined** **range** of **variables** into the formulas, recalculates
the entire spreadsheet, and records the outcome. You can view the...

20/3,K/22   (Item 15 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2007 The Gale group. All rts. reserv.

03021409   SUPPLIER NUMBER: 05223312   (USE FORMAT 7 OR 9 FOR FULL TEXT)
A 1-2-3 wish list. (electronic spreadsheet)
Howard, Bill; Seymour, Jim; Taylor, Jared
PC Magazine, v6, p154(4)
Oct 27, 1987
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 2664   LINE COUNT: 00190

...   able to pick any foreground/background combination; also, to use
color to indicate negative numbers, **numbers** above or below a certain
limit , **numbers** that changed with the last recalc, **cells** to be filled
in by an associate, **cells** associated with a specific **range** , **cell**
dependencies, or annotated **cells** .
Cell description window. If you have / **Worksheet** Titles turned
off, you should have a tiny window that shows the label at the...

20/3,K/24   (Item 17 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2007 The Gale group. All rts. reserv.

02949052   SUPPLIER NUMBER: 04753203   (USE FORMAT 7 OR 9 FOR FULL TEXT)
1-2-3 add-on solves optimization, goal-seeking problems. (evaluation)

Bryan, Marvin
PC Week, v4, p91(1)
March 24, 1987
DOCUMENT TYPE: evaluation   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 565   LINE COUNT: 00043

...   a blank template form that must be filled out. After constructing
the 1-2-3 **worksheet** required for the problem, the user turns to the
template to list variable **cells** with **upper** - and **lower** - **value**   limits
 that are acceptable. In the case of an optimization problem, a target
cell is then specified. For goal solution problems, "find conditions' are
stated. Then both Shift keys...

20/3,K/34   (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

09009257   SUPPLIER NUMBER: 18684212   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Simulation modeling and DOE. (design of experiments)
Porcaro, Dino
IIE Solutions, v28, n9, p24(7)
Sep, 1996
ISSN: 1085-1259   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4172   LINE COUNT: 00332

...   Operators. The corresponding equation was entered for %Idle
referencing the same Barrels Available and Operators **cells** . Constraints,
including the desired limits on the %Idle equation, and limits on the
range of **values**   for Barrels Available and Operators were entered.
Executing the Solver tool yielded an optimized value for the target **cell** .
A copy of the Excel **spread**   **sheet** and the answer report generated by
Solver is also shown in Figure 6.
      Conclusion
      The...

20/3,K/45   (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2007 The Gale Group. All rts. reserv.

01664189   SUPPLIER NUMBER: 15019640   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Need a powerful tool for statistical analysis? Look into Crystal Ball 3.0
   (Decisioneering Inc.'s statistical software) (Software Review)
   (Evaluation)
Gilliland, Steve
Computer Shopper, v14, n2, p508(1)
Feb, 1994
DOCUMENT TYPE: Evaluation   ISSN: 0886-0556   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 439   LINE COUNT: 00034

...   that's a small price to pay for Crystal Ball's common-sense power.
   Ordinary **spreadsheets** show you what happens if you change the value
of a cell or **cells** in your **spreadsheet** , while Crystal Ball creates a
Monte Carlo simulation. You enter a **range** of values for each variable
cell , then Crystal Ball generates random **values** within the **limits**
you've set, running simulations hundreds or thousands of times while you
watch. Results become...

20/3,K/47   (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2007 The Gale Group. All rts. reserv.

01602239   SUPPLIER NUMBER: 13923127   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Sliders & Dials adds bells, whistles, and sliders to Excel. (Golden
  Technologies Inc.'s slide bar and dial software for Microsoft Excel
  spreadsheet software) (Software Review) (Evaluation)
Falkner, Mike
Computer Shopper, v13, n7, p728(1)
July, 1993
DOCUMENT TYPE: Evaluation   ISSN: 0886-0556   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 437   LINE COUNT: 00031

    ...   box is straightforward, requesting the type of slider (vertical,
horizontal, or a circular dial), the **upper** and lower **limits** for the
value , the increment for every move of the slider, and a name for the
window. As with an Excel **spreadsheet** **cell** , you can format the slider
values with decimal points, scientific notation, currency symbols, or
percentages...

    20/3,K/49   (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2007 The Gale Group. All rts. reserv.

01520320   SUPPLIER NUMBER: 12215364   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Decisioneering's Crystal Ball: statistics made easy. (Crystal Ball for
  Windows statistical software) (Software Review) (Evaluation)
Gilliland, Steve
Computer Shopper, v12, n7, p498(2)
July, 1992
DOCUMENT TYPE: Evaluation   ISSN: 0886-0556   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1443   LINE COUNT: 00116

    ...   do that, Crystal Ball uses the "Monte Carlo simulation," a
statistical technique that assigns random **numbers** conforming to user-
defined **ranges** ("probability distributions" in the statistics trade) set
up for variable **spreadsheet** **cells** .
    Crystal Ball runs the simulation, constantly generating new random
numbers for variable **cell** values and recalculating the **spreadsheet** each
time. It continues until told to stop--dozens, hundreds, or thousands of
times. Results...

    20/3,K/55   (Item 11 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2007 The Gale Group. All rts. reserv.

01213684   SUPPLIER NUMBER: 06016014   (USE FORMAT 7 OR 9 FOR FULL TEXT)
A 1-2-3 wish list. (improvement of Lotus 1-2-3 spreadsheets)
Howard, Bill; Seymour, Jim; Taylor, Jared
PC Magazine, v6, n18, p154(4)
Oct 27, 1987
ISSN: 0888-8507   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2664   LINE COUNT: 00190

    ...   able to pick any foreground/background combination; also, to use
color to indicate negative numbers, **numbers** above or below a certain
limit , **numbers** that changed with the last recalc, **cells** to be filled
in by an associate, **cells** associated with a specific **range** , **cell**
dependencies, or annotated **cells** .
    Cell description window. If you have / **Worksheet** Titles turned
off, you should have a tiny window that shows the label at the...

    20/3,K/56   (Item 12 from file: 275)

01212086   SUPPLIER NUMBER: 04722313   (USE FORMAT 7 OR 9 FOR FULL TEXT)
1-2-3 add-on solves optimization, goal-seeking problems. (Software Review)
  (evaluation)
Bryan, Marvin
PC Week, v4, n12, p91(1)
March 24, 1987
DOCUMENT TYPE: evaluation   ISSN: 0740-1604   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 565   LINE COUNT: 00043

...   a blank template form that must be filled out. After constructing
the 1-2-3 **worksheet** required for the problem, the user turns to the
template to list variable **cells** with **upper** - and **lower** - **value** limits
 that are acceptable. In the case of an optimization problem, a target
cell is then specified. For goal solution problems, "find conditions' are
stated. Then both Shift keys...

File 348:EUROPEAN PATENTS 1978-2007/ 200731
        (c) 2007 European Patent Office
File 349:PCT FULLTEXT 1979-2007/UB=20070809UT=20070802
        (c) 2007 WIPO/Thomson

```
Set     Items    Description
S1      482633   CELL OR CELLS
S2       28740   S1(5N)BOUND?
S3     2058917   BOUND? OR LIMIT??? OR LIMITATION? ? OR RESTRICT? OR CONFIN-
                 ??? OR CONFINEMENT? OR PROSCRIB? OR PRESCRIB? OR ALLOW? OR DE-
                 FIN??? OR DEFINITION? OR FINITE OR CIRCUMSCRI?
S4      403040   S3(5N)(VALUE OR VALUES OR DATA OR NUMBER? ? OR NUMERIC??)
S5       42039   S3(5N)VARIABLE? ?
S6       31732   S3(5N)(NUMERAL? ? OR DIGIT? ? OR INTEGER? ? OR DATUM? ?)
S7     1062183   RANGE? ? OR RANGING OR ENDPOINT? OR STARTPOINT?
S8      224029   (START??? OR BEGIN???? OR COMMENC??? OR COMMENCEMENT?)(30N-
                 )(TERMINAT??? OR END? ? OR ENDED OR ENDING? ? OR CONCLUD? OR -
                 CONCLUS?)
S9      607751   (MAXIMUM? OR UPPER OR BOUNDMAX? OR MAXBOUND? OR HIGHEST OR
                 GREATEST)(30N)(MINIMUM? OR LOWER OR BOUNDMIN OR MINBOUND? OR -
                 LOWEST OR SMALLEST OR LEAST OR BOTTOM)
S10       4982   MAXMIN OR MINMAX OR MIN(1W)MAX
S11      10319   SPREADSHEET? OR SPREAD()SHEET? ?
S12       1120   WORKSHEET? OR WORK()SHEET? ?
S13      27173   S1(30N)S4:S6
S14       4407   (S2 OR S13)(50N)S7:S10
S15         42   S14(100N)S11:S12
S16      65888   (S2 OR S4:S6)(30N)S7:S10
S17       3929   S16(50N)S1
S18         39   S17(100N)S11:S12
S19         46   S15 OR S18
S20         16   S19 AND AC=US/PR AND AY=(1963:2004)/PR
S21         16   S19 AND AC=US AND AY=1963:2004
S22         16   S19 AND AC=US AND AY=(1963:2004)/PR
S23         34   S19 AND PY=1963:2004
S24         39   S20:S23
S25         39   IDPAT (sorted in duplicate/non-duplicate order)
S26         39   IDPAT (primary/non-duplicate records only)
? t26/5,k/8,21-22,30,34,37-39
```

  26/5,K/8   (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2007 European Patent Office. All rts. reserv.

01662756
Method in connection with a spreadsheet program
Verfahren zum nutzen eines Kalkulationsblattes
Procede pour utiliser une feuille de calcul electronique
PATENT ASSIGNEE:
  Framtidsforum I & M AB, (4135930), Hallbygatan 34A, 752 28 Uppsala, (SE),
    (Applicant designated States: all)
INVENTOR:
  WALDAU, Mattias, Hallbygatan 34A, 752 28, UPPSALA, (SE)
LEGAL REPRESENTATIVE:
  Holmberg, Nils Anders Patrik (94751), Dr Ludwig Brann Patentbyra AB P.O.
    Box 17192, 104 62 Stockholm, (SE)
PATENT (CC, No, Kind, Date): EP 1367514 A1 031203 (Basic)
APPLICATION (CC, No, Date):   EP 2002100576 020529;
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): G06F-017/60

ABSTRACT EP 1367514 A1
    A method in connection with spreadsheet programs wherein a spreadsheet

is created 102 by a creator 100 on a computer having a display means, an
entry device, and a processor for executing the spreadsheet program. The
method is adapted to make the spreadsheet accessible to a remote user
provided with a target computing environment device, and comprises the
following steps:
    a) compiling 103 the created spreadsheet in said computer by, in
addition to conventional compilation, using a set of submodules, so that
the compiled spreadsheet is a representation of the spreadsheet for the
target computing environment;
    b) transferring the compiled spreadsheet to the target computing
environment device, and
    c) enabling said remote user to use 101 the created spreadsheet, by
using a target processing means in the target computing environment
device without using the spreadsheet program.

ABSTRACT WORD COUNT: 140
NOTE:
    Figure number on first page: 1

...SPECIFICATION which are executed in response to the event. For each
 input and output of the **spreadsheet** , a corresponding user interface
 component will be generated. The outputs will normally be connected to...

...a function that ensures that the value entered is legal. Examples of
 validations are only **numbers**   **allowed** , only **numbers** within a certain
 range   **allowed** , only "Yes" or "No" allowed.
   Figure 8 illustrates the method in more detail. The steps between 800
and 809 are repeated for each input **cell** . In 801 we check if the input
parameter is a Boolean, if so, the corresponding...

...90% piece can be presented.
   These graphical components can either be grouped as the original
spreadsheet , with borders between, or they can be stacked so that the
result is a traditional form.
   In many **spreadsheet** programs, there are a lot of additional
properties associated with a cell. Examples are:
* Locked...

...color of the text, the color of the background, the type of borders
 around the **cell** . The color can also depend on the value of the **cell** ,
 for example, values below 10 should be green, values between 10 and 20
 orange, and...

...be red.
 * Validation: There are many different forms of validation. Some examples
 are:
 * o Only **allow** certain predefined **values** . Normally these are selected
 from a pull-down menu.

* o Number must be within a predefined range.
* o Only whole numbers are allowed , no decimal numbers .
* o Text must have a specified size.
* o Dates have to be within a certain range .
* o Number must be within a calculated range .
* o Whether or not a value is allowed is decided by calculating a
formula. The formula calculates a logical value (TRUE for valid...

26/5,K/21   (Item 21 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2007 European Patent Office. All rts. reserv.

00369150
A spreadsheet system.
Elektronisches Kalkulationsblattsystem.
Systeme pour une feuille de calcul electronique.
PATENT ASSIGNEE:
  International Business Machines Corporation, (200120), Old Orchard Road,
    Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
  Kanai, Naoki Mezondohru Azari 202gohshitsu, 2ban 18goh, Kohenjikita
    4-chome Suginami-ku, Tokyo, (JP)
LEGAL REPRESENTATIVE:
  Burt, Roger James, Dr. (52152), IBM United Kingdom Limited Intellectual
    Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)
PATENT (CC, No, Kind, Date):   EP 358492 A2 900314 (Basic)
                               EP 358492 A3 910529
APPLICATION (CC, No, Date):   EP 89309043 890906;
PRIORITY (CC, No, Date): JP 88224449 880909
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS (V7): G06F-015/21; G06F-009/45; G06F-015/20;
CITED PATENTS (EP A): US 4398249 A
CITED REFERENCES (EP A):
  E.M. BARAS: "Guide to using lotus 1-2-3", 2nd edition, 1986, pages
    141-144, Osborne McGraw-Hill, Berkeley, California, US;

ABSTRACT EP 358492 A2
    A spreadsheet system comprising:
  a display means for displaying a spreadsheet;
  a means for inputting relations of a plurality of cells and cell values
  of said spreadsheet;
  a means for establishing a model including a relational node
  corresponding to the inputted relation, a cell node corresponding to the
  cell on which said relation is satisfied, an arc linking said relational
  node with said cell node, and a description describing a propagating
  direction of a change based on the input of said cell value through said
  arc;
  a means for marking on said calculation model one path or all of a
  plurality of paths through which the changes based on the input of said
  cell value are propagated;
  a means for determining one of said paths in accordance with
  predetermined rules;
  a means for performing a recalculation based on said input cell value in
  accordance with said determined path; and
  a means for reflecting the performed result of the recalculation of said
  spreadsheet.
ABSTRACT WORD COUNT: 166

LEGAL STATUS (Type, Pub Date, Kind, Text):
  Application: 900314 A2 Published application (A1with Search Report
                             ;A2without Search Report)
  Examination: 900919 A2 Date of filing of request for examination:
                             900723
  Search Report: 910529 A3 Separate publication of the European or

```
                         International search report
Change:          910703 A2 International patent classification (change)
Change:          910703 A2 Obligatory supplementary classification
                           (change)
Examination:     940615 A2 Date of despatch of first examination report:
                           940428
Refusal:         970409 A2 Date on which the European patent application
                           was refused: 961118
```

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

```
Available Text  Language   Update      Word Count
    CLAIMS A   (English)   EPABF1         431
    SPEC A     (English)   EPABF1        5249
Total word count - document A            5680
Total word count - document B               0
Total word count - documents A + B       5680
```

...SPECIFICATION the apparatus capable of recalculation in both directions.

So far, there has been known a **spreadsheet** program language program in which a table is constructed by a plurality of cells prepared...

...value cell", and the cell referred to in the function formula is called a "variable **value** cell". Fig. 26 shows exemplified **definitions** of the function, formulas. Each of the **cell** names is the same as that employed in Lotus 1-2-3. At the **upper** row of the each **cell** the **cell** value displayed on the screen is shown. At the **lower** row the **value** **defined** in the **cell** or the function formula is shown. In this example, the function formula
A1*A2
is **defined** for the function **value** **cell** B1. In case the value of the variable value **cell** is changed, the value of the function value **cell** is automatically recalculated by reevaluating the function formula. For instance, when the value of the variable value **cells** A1 and A2 are changed to 5 and 16, respectively, as shown in Fig. 27...

26/5,K/22   (Item 22 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2007 European Patent Office. All rts. reserv.

00312998
Computer system for advanced financial applications
Rechnersystem fur fortschrittliche finanzielle Anwendungen
Systeme d'ordinateur pour applications financieres avancees
PATENT ASSIGNEE:
   HYPERION SOFTWARE OPERATIONS INC., (982560), Corporation Trust Center,
      1209 Orange Street, Wilmington, (US), (applicant designated states:
      DE;FR;GB)
INVENTOR:
   Lyons, Richard J., 288 Lindbergh Street, West Hempstead New York 11552,
      (US)
   Nolan, Kevin F., 75-48 Juniper Valley Road, Middle Village New York 11379
      , (US)
   Chu, Wah C., 145 Primrose, Fairfield Connecticut, (US)
LEGAL REPRESENTATIVE:
   Naismith, Robert Stewart et al (57811), CRUIKSHANK & FAIRWEATHER 19 Royal
      Exchange Square, Glasgow, G1 3AE Scotland, (GB)
PATENT (CC, No, Kind, Date): EP 294187 A2 881207 (Basic)
                              EP 294187 A3 920708
                              EP 294187 B1 960814
APPLICATION (CC, No, Date):   EP 88305017 880601;
PRIORITY (CC, No, Date): US 55823 870601
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS (V7): G06F-017/60;
```

CITED REFERENCES (EP A):
  MINI-MICRO SYSTEMS vol. 18, no. 14, November 1985, NEWTON, MASSACHUSETTS,
     USA pages 81 - 85; RICK FRIEDMAN: 'Integrated Computer System Controls
     Financial Center'
  BUSINESS SOFTWARE vol. 4, no. 7, July 1986, pages 48 - 51; MARVIN BRYAN:
     'More like Lotus than Lotus'
  ADMINISTRATIVE MANAGEMENT vol. 47, no. 2, February 1986, page 20; DAVID
     BRODWIN: 'Next Generation Personal Computer Database Package'
  PC MAGAZINE 15 April 1986, pages 227 - 229; THOMAS A. MEYERS: 'Using
     Spreadsheets to monitor your portofolio';

ABSTRACT EP 294187 A2
     An advanced financial reporting and analysis software package is
  described. The package collects, organizes, manages and consolidates
  financial data and provides user defined capabilities for creating
  financial and corporate reports. Financial data is organized into four
  business classifications or dimensions: Schedule, Entity, Period and
  Type. Data is stored in the system in such a way that all data associated
  with a particular Schedule, Entity, Period and Type is identified by that
  particular SEPT value. To accommodate automatic data entry, a mapping
  means or template is provided that specifies for each different input
  spreadsheet the location of the first data cell in the spreadsheet and
  the size of the spreadsheet. Data is read from the data store by various
  report and spreadsheet generating functions which convert data associated
  with particular SEPT values to desired output formats.   (see image in
  original document)
ABSTRACT WORD COUNT: 144

LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application:        881207 A2 Published application (A1with Search Report
                              ;A2without Search Report)
 Change:             920513 A2 Representative (change)
 Search Report:      920708 A3 Separate publication of the European or
                              International search report
 Examination:        930310 A2 Date of filing of request for examination:
                              930108
 Examination:        940216 A2 Date of despatch of first examination report:
                              931230
 *Assignee:          960327 A2 Applicant (name, address) (change)
 Grant:              960814 B1 Granted patent
 Oppn None:          970806 B1 No opposition filed
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|---|---|---|---|
| CLAIMS A | (English) | EPABF1 | 1325 |
| CLAIMS B | (English) | EPAB96 | 1568 |
| CLAIMS B | (German) | EPAB96 | 1469 |
| CLAIMS B | (French) | EPAB96 | 1650 |
| SPEC A | (English) | EPABF1 | 12004 |
| SPEC B | (English) | EPAB96 | 12153 |
| Total word count - document A | | | 13330 |
| Total word count - document B | | | 16840 |
| Total word count - documents A + B | | | 30170 |

...CLAIMS the output of consolidated financial data.
     12. A method of generating in a computer a **spreadsheet** of financial
        information comprising the steps of:
              storing said financial information in a first format...

...of a plurality of financial data values is associated with a set of
     identifying attributes,
              **defining** for each said financial **data** **value** a **range**
        value which identifies it
              generating a reference file which associates the financial
     data values stored in said storage means with individual **cells** of

said **spreadsheet** , said reference file comprising coded headings for
said **spreadsheet** which specify by **range** value and identifying
attribute the financial data values to be located in the individual
cells of the **spreadsheet** , and
        using said reference file to generate the **spreadsheet** .
  13. the method of claim 12 wherein the coded headings comprise:
        a value that specifies...

...CLAIMS data.
  7.  The method of any one of the preceding claims, comprising the steps
      of:
      **defining** for each said financial **data** **value** a **range** value
      which identifies it, said **range** value including a pointer to the
      data **cell** in which said data value is stored;
      generating a reference file which associates the financial data
      values stored in said storage means with individual cells of a
      **spreadsheet** , said reference file comprising coded headings for said
       **spreadsheet** which specify by **range** value and identifying
      attribute the financial data values to be located in the individual
      cells of the **spreadsheet** ; and
      using said reference file to generate the **spreadsheet** .
  8.  The method of claim 7, wherein the coded headings comprise:
      a value that specifies...


26/5,K/30      (Item 30 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01067726      **Image available**
METHOD AND APPARATUS FOR AUTOMATICALLY PRODUCING SPREADSHEET-BASED MODELS
PROCEDE ET APPAREIL DE PRODUCTION AUTOMATIQUE DE MODELES FONDES SUR UN
    TABLEUR
Patent Applicant/Assignee:
  DECISION CURVE LIMITED, Panniers Estate, Wookey, Somerset BA5 1NL, GB, GB
    (Residence), GB (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  ORCHARD Andrew Clive, Old Quarry View, Higher Street, West Chinnock,
    Crewekerne, Somerset TA18 7QA, GB, GB (Residence), GB (Nationality),
    (Designated only for: US)
  BRISTOW Geoffrey John, Panniers Farm, Castle Lane, Wookey, Somerset BA5
    1NL, GB, GB (Residence), GB (Nationality), (Designated only for: US)
Legal Representative:
  MACKENZIE Andrew Bryan (agent), Sommerville & Rushton, 45 Grosvenor Road,
    St Albans AL1 3AW, Hertfordshire, GB,
Patent and Priority Information (Country, Number, Date):
  Patent:            WO 200398500 A1 20031127 (WO 0398500)
  Application:       WO 2002GB2211 20020516 (PCT/WO GB0202211)
  Priority Application: WO 2002GB2211 20020516
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
  SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class (v7): G06F-017/60
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description

Claims
Fulltext Word Count: 7684

English Abstract
A designer builds a condensed, generic form of a spreadsheet which is a
definition file. This can be designed in Microsoft Excel, following a set
of guidelines, or using a high level symbolic language. If required, HTML
files can be produced directly from the Excel definition file to enable
the user to input parameters using a web browser. A user defines a
various parameters that are to be used for their particular spreadsheet
and the software of the present invention expands the template's rows and
columns according to those requirements, working out the effect on the
formulae and linked cells as this takes place. Behind the scenes a set of
information tables are built, either in memory or in a file, based on the
information in the definition file. These tables are processed in a
structured way to build the spreadsheet formulae, reference other tables
and build any objects required to operate the model. Formulae are copied
and/or rebuilt depending on the circumstances in which they will be used.
In addition, the data input areas of the spreadsheet can be separated
onto another worksheet to facilitate usability. Reports and charts can be
adjusted to suit the data. Several templates or definitions can be
combined into one spreadsheet and other objects, e.g. drop down lists and
scrollbars, can be added to enhance usability. VBA code can also be
included to perform complex operations not normally available in a
spreadsheet. Definition libraries that describe, or contain a copy of, a
part of the model can be added seamlessly, for example, a bar chart with
a particular colour scheme or a complicated calculating function. The
definition library can also contain VBA code, which can become part of
the finished model and can add to its functionality.

French Abstract
Selon l'invention, un Designer permet de creer une forme condensee et
generique d'un tableur qui est un fichier de definition. Ce fichier peut
etre concu sur Microsoft Excel, suivant un ensemble d'instructions, ou au
moyen d'un langage symbolique d'un niveau eleve. Si besoin, des fichier
HTML peuvent etre produits directement a partir d'un fichier de
definition d'Excel de facon a permettre a l'utilisateur d'entrer des
parametres au moyen d'un navigateur Web. Un utilisateur definit les
divers parametres qui doivent etre utilises pour leur tableur particulier
et le logiciel de l'invention elargit les rangees et colonnes du modele
selon les besoins, tout en mettant au point l'effet sur les formules et
les cellules. Un ensemble de tableaux d'informations sont crees derriere
les scenes, soit dans la memoire soit dans un fichier, a partir des
informations du fichier de definition. Ces tableaux sont traites de
maniere structuree de facon a construire les formules de tableur, de
facon a referencer d'autres tableaux et de facon a creer tout type
d'objets requis pour faire fonctionner le modele. Des formules sont
copiees et/ou recreees selon les circonstances dans lesquelles elles
seront utilisees. De plus, les zones d'entree de donnees du tableur
peuvent etre separees sur une autre feuille de calcul pour en faciliter
l'utilisation. Des rapports et des diagrammes peuvent etre regles pour
adapter les donnees. Plusieurs modeles ou definitions peuvent etre
combines dans un tableur et d'autres objets, tels que des listes
deroulantes et des barres de defilement, peuvent etre ajoutes pour
ameliorer la facilite d'utilisation. Un code VBA (Microsoft Visual Basic
for Applications) peut etre integre egalement pour executer des
operations complexes qui ne sont pas disponibles normalement dans un
tableur. Des bibliotheques de definitions qui decrivent ou contiennent
une copie d'une partie du modele peuvent etre ajoutees en continu, p.
ex., un diagramme a barres ayant un schema de couleur particulier ou une
fonction de calcul compliquee. La bibliotheque de definitions peut
contenir egalement un code VBA, qui peut devenir une partie d'un modele
fini et qui peut y ajouter sa fonctionnalite.

Legal Status (Type, Date, Text)

Publication  20031127 A1 With international search report.
Examination    20031224 Request for preliminary examination prior to end of
                19th month from priority date

Patent and Priority Information (Country, Number, Date):
  Patent:                   ... 20031127
Fulltext Availability:
  Detailed Description
Publication Year:  2003

Detailed Description
...  g. a bar or line chart), being permanently connected to the same cells
 in the **worksheets** .

    The example below is described in connection with a chart object.
    However, a worksheet object...

...index number starting, for example, with 1.

    The Switch 36 is normally on a single **worksheet** and consists of three
    parts; a **range** of **cells** 36-1 linked to the chart 30 called the data
    area, an input **cell** 36-2 for the index number of the source- **data**
    **range** 30-1 as **defined** in the table and a series of **cells** 36-3 used
    to return data from one row of the table
    32 according to the index.number in the index **cell** 36
    The data area 36-1 is of sufficient size suitable for it to display any
    of the
    source-data **ranges** referenced in the table 32. The index number can be
    inserted into the input cell...


  26/5,K/34        (Item 34 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00977124     **Image available**
DEFINING EXTERNAL PARAMETERS IN SPREADSHEETS
SYSTEME ET PROCEDE POUR L'UTILISATION EFFICACE ET FLEXIBLE D'INFORMATION DE
    TABLEUR
Patent Applicant/Assignee:
  NETVIEW TECHNOLOGIES INC, 311 Arsenal Street, 2R, Watertown, MA 02472, US
    , US (Residence), US (Nationality), (For all designated states except:
    US)
Patent Applicant/Inventor:
  HANDSAKER Robert, 464 Mountain Road, Charlemont, MA 01339, US, US
    (Residence), US (Nationality), (Designated only for: US)
  RASIN Gregory, 321 Tappan Street, Apt. 2, Brookline, MA 02445, US, US
    (Residence), US (Nationality), (Designated only for: US)
  KNOURENKO Andrey, 31-C Wycoma Way, Waltham, MA 02453, US, US (Residence),
    US (Nationality), (Designated only for: US)
Legal Representative:
  OCCHIUTI Frank R (agent), Fish & Richardson P.C., 225 Franklin Street,
    Boston, Massachusetts 02110-2804, US,
Patent and Priority Information (Country, Number, Date):
  Patent:              WO 200307118 A2-A3  20030123  (WO 0307118)
  Application:         WO 2002US22004 20020712  (PCT/WO US0222004)
  Priority Application: US 2001305217 20010713; US 2002193015 20020711
Parent Application/Grant:
  Related by Continuation to: US 2002 20020710 (CON)
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL

TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class (v7): G06F-007/00
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 12963

English Abstract
  The present invention relates to utilizing a **spreadsheet** by defining a
  parameter external to the **spreadsheet** and associating the parameter
  with the **spreadsheet** to define a parameterized workbook (105). In one
  embodiment, this utilization further comprises storing a location of the
  **spreadsheet** and storing the name of the parameter in the same storage
  module as the result referencing one or more **cells** within the
  **spreadsheet** . This utilization further comprises receiving a value for
  the parameter and generating the result based at least in part on the
  value and the **spreadsheet** . It also comprises associating a type with
  the parameter. The type can **define** a **range** of **values** or attributes
  associated with the parameter.

French Abstract
  Sous un premier aspect, la presente invention a trait a l'utilisation
  d'un tableur par la definition d'un parametre exterieur au tableur et par
  l'association du parametre au tableur en vue de definir un manuel
  parametre. Dans un premier mode de realisation, cette utilisation
  comporte en outre le stockage d'un emplacement du tableur et le stockage
  du nom du parametre dans le meme module de stockage que l'emplacement.
  Dans un autre mode de realisation, elle comprend la definition d'un
  resultat exterieur au tableur, le resultat designant une ou plusieurs
  cellules au sein du tableur. Dans un autre mode de realisation, cette
  utilisation comporte en outre la reception d'une valeur pour le parametre
  et le generation du resultat base au moins en partie sur la valeur et le
  tableur. Dans un autre mode de realisation, elle comporte en outre
  l'association d'un type au parametre. Le type peut definir une gamme de
  valeurs ou d'attributs associes au parametre.

Legal Status (Type, Date, Text)
Publication   20030123 A2 Without international search report and to be
                          republished upon receipt of that report.
Search Rpt     20030417 Late publication of international search report
Republication 20030417 A3 With international search report.

Patent and Priority Information (Country, Number, Date):
  Patent:            ... 20030123
Fulltext Availability:
  Detailed Description

Publication Year:  2003

Detailed Description
... of the workbook. To generate this parameterized workbook 105, the
system 300 instantiates A data **range** of the system .300 associates a
parameterized data query with a **range** of workbook **cells** . Each data
query parameter is identified by name and/or position. Each query
parameter has a type that constrains the **allowable values** for the
parameter. Queries are expressed in a textual syntax that a user and/or
administrator creates. A data **range** can also refer by name to a pre-
**defined** query. A **data range defines** a set of query parameter
value expressions using the **spreadsheet** formula language. There is one
expression for each required query parameter in the query.
The...


26/5,K/37      (Item 37 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00824201      **Image available**
IMPROVEMENTS IN OR RELATING TO SPREADSHEETS
AMELIORATIONS APPORTEES A OU RELATIVES A DES TABLEURS
Patent Applicant/Assignee:
  ROKE MANOR RESEARCH LIMITED, Roke Manor, Old Salisbury Lane, Romsey,
    Hampshire SO51 0ZN, GB, GB (Residence), GB (Nationality), (For all
    designated states except: US)
Patent Applicant/Inventor:
  HULBERT Anthony Peter, 48 Wilton Crescent, Shirley, Southampton SO15 7QH,
    GB, GB (Residence), GB (Nationality), (Designated only for: US)
Legal Representative:
  FRENCH Clive Harry (agent), Siemens Shared Services Limited, Intellectual
    Property Dept., Siemens House, Oldbury, Bracknell, Berkshire RG12 8FZ,
    GB,
Patent and Priority Information (Country, Number, Date):
  Patent:            WO 200157744 A2-A3  20010809  (WO 0157744)
  Application:       WO 2001GB427 20010202  (PCT/WO GB0100427)
  Priority Application: GB 20002291 20000202
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  CA US
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Main International Patent Class (v7): G06F-017/60
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 1985

English Abstract
  Described herein is an improved spreadsheet which has at least the
  facility of storing data in a third dimension. In such a spreadsheet,
  multiple elements may be stored in a single cell.

French Abstract
  La presente invention concerne un tableur ameliore, qui possede au moins
  le moyen de stocker des donnees dans une troisieme dimension. Dans un tel
  tableur, de multiples elements peuvent etre stockes dans une seule
  cellule.

Legal Status (Type, Date, Text)
Publication  20010809 A2 without international search report and to be
                      republished upon receipt of that report.
Examination  20011018 Request for preliminary examination prior to end of

Detailed Description
...  A1, A2, ..., B 1, B 2, ..., C 1, C2, ..., etc.

whilst having multiple sheets of **spreadsheet** type within one
document improves flexibility, it is restricting in that addressing
between sheets has...
...data
between sheets.

It is therefore an object of the present invention to provide a
**spreadsheet** which **allows** the storacre of multiple **data** **values** in
a single **cell** .

It is also an object of the present invention to **allow** for the
processing of multiple **data** values in a single **cell** .

In accordance with one aspect of the present invention. there is
ided a **spreadsheet** comprising a plurality of **cells** , at least one
cell
provi Z@
havincr more than one data value stored therein.

In accordance with another aspect...

...a plurality of data values into a single
SUBSTITUTE SHEET (RULE 26)
cell of a **spreadsheet** , the method comprising:- selecting a **range** of
sincyle value cells one cell wide; and copying said range into the single
cell...

...invention,
there is provided a method of extracting data from a single cell of a
**spreadsheet** which contains a plurality of data values, the method
comprising:- selecting the single cell; and...

...invention,
there is provided a method of editing data in a single cell of a
**spreadsheet** which contains a plurality of data values, the method
comprising:- copying the data values from...


 26/5,K/38       (Item 38 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00778300      **Image available**
MACHINE VISION SENSOR UTILIZING SPREADSHEETS
CAPTEUR DE VISION ARTIFICIELLE
Patent Applicant/Assignee:
  COGNEX CORPORATION, One Vision Drive, Natick, MA 01760, US, US
     (Residence), US (Nationality)
Inventor(s):

MCGARRY John, 12395 SW Corylus, Portland, OR 97224, US,
Legal Representative:
  POWSNER David J (et al) (agent), Nutter, McClennen & Fish LLP, One
    International Place, Boston, MA 02110-2699, US,

English Abstract
  A machine vision sensor is provided that includes a processor (42); a
  camera for capturing images (43); and a display for displaying captured
  images to be analzyed (41), and for displaying a spreadsheet for
  analyzing the image (46). The spreadsheet is displayed in
  semi-transparent relationship with the image. A hand-held control pad
  (44) can be used as the sole input and control device for accessing a
  plurality of menus having various vision tools. The spreadsheet provides
  an easy-to-use environment and user interface for programming machine
  vision applications. The hand-held control pad can be used to navigate
  over the spreadsheet, thereby selecting cells of the spreadsheet (46).
  When a particular cell of the spreadsheet is selected, a change occurs in
  the appearance of the image displayed (47). The spreadsheet can be used
  to create a user interface for controlling analysis of the captured
  image.

French Abstract
  La presente invention concerne un capteur de vision artificielle qui
  comprend un processeur, une camera permettant la capture d'images, et un
  afficheur destine a afficher les images capturees a analyser et destine a
  afficher un tableur de facon a analyser l'image. Ce tableur est affiche
  en semi-transparence avec l'image. Un boitier de commande manuel peut
  etre utilise, seul dispositif d'entree et de commande permettant
  d'acceder a une pluralite de menus possedant divers outils de vision. Le
  tableur offre un environnement facile a utiliser et une interface
  utilisateur permettant de programmer des applications de vision
  artificielle. Le boitier de commande manuel peut etre utilise pour
  naviguer dans le tableur, selectionnant de cette maniere les cellules du
  tableur. On peut aussi utiliser le boitier de commande pour selectionner
  les rubriques des menus, et pour selectionner des caracteres
  alphanumeriques comme parametres a entrer dans le tableur. Quand on a
  selectionne une cellule particuliere du tableur par l'intermediaire du
  boitier de commande, une modification survient dans l'apparence de
  l'image affichee, ou dans l'apparence d'une couche de graphique affichee
  en surimpression de l'image. On peut, de plus, utiliser ce tableur pour
  creer une interface utilisateur destinee a commander l'analyse de l'image
  capturee ou d'autres processus industriels. Cette interface utilisateur
  est particulierement interessante pour des applications de vision
  artificielle ou d'autres applications faisant appel a d'importants
  ensembles de donnees.

Legal Status (Type, Date, Text)
Publication    20010215 A2 Without international search report and to be
                        republished upon receipt of that report.
Search Rpt     20010823 Late publication of international search report
Republication  20010823 A3 With international search report.
Search Rpt     20010823 Late publication of international search report
Examination    20011025 Request for preliminary examination prior to end of
                        19th month from priority date
Correction     20020711 Corrected version of Pamphlet: pages 1/25-25/25,
                        drawings, replaced by new pages 1/26-26/26; due to
                        late transmittal by the receiving Office
Republication  20020711 A3 With international search report.

Fulltext Availability:
  Claims
Publication Year:  2001

Claim
...  function's Show parameter to enable input graphics, result graphics,
   or both. NOTE Sometimes the **worksheet** grid can hide lines or points
   that happen to fall exactly under a grid line. The image is the bottom
   layer, the flyover graphics are the middle layer, and the **worksheet** is
   the top layer. COGIMEX k41 hf.'--.-.
   -4 A OR- GUL Show Graphics Option
   %en...

...the associated flyover graphics. By default, these graphics vanish when
   you move to a new **cell**, reducing visual clutter. If you want them to
   persist you can enable thent through the...

...between input graphics (which show the filtiction's parameters), result
   graphics (which show a measured **value** or other result.); and charts
   (which plot a histogram, score, or other value). For example...

...hide all Disables all graphics, which are visible only when you "fly
   over" the associated **cell**. The default. result graphics only Enables
   only the result graphics. input and result graphics Enables...cells.
   getactive cellrange Get enable state of cells. geteell cellrange Get cell
   definitions. getdim Get **spreadsheet** dimensions. getmax Get max row and
   col of **cells**. getvalue cellrange Get output value of **cells**. help Gets
   a fist of commands. setactive cellnum string Set enable state of **cells**.
   setcell cellnum string Set **cell** **definitions**. You can enter ?strings?,
   **numeric** **values**, or valid formulas.
   timeout x Milliseconds until command timeout
   trigger Get output value of **cells**. update Runjob.
   Parameters are:
   cellnum. Coordinates of **cell** in the **spreadsheet**. Case-insensitive.
   For example, O. cellrange. Coordinates of a cell or **range** of cells.
   For example, O or c7:el 3 string. A character string that defines...

...1
   113
   ADP, Acquire: Functions Reference
   The Acquisition functions and structures, automatically present on the
   **worksheet** in row 0, represent the image and the external input sources
   that can force the **worksheet** to update. For example, AcquireImage(,
   located in cell $A$O, acquires an image--a fundamental...in a cell.
   Returns 1.00 when clicked, 0.00 otherwise. Remains adjustable when the
   **worksheet** is locked. Chart Puts a chart display in a cell, to plot the
   history of...

...00; when OFF 0 Typically referenced to set a toggled value. Remains
   adjustable when the **worksheet** is locked. ColorLabel Puts a text string
   of a specified color in a cell of...

...edit box control in a cell. Returns a floating-point value constrained to a specified **range** . Remains adjustable when the **worksheet** is locked. EditInt Puts a numeric edit box control in a **cell** . Returns an integer constrained to a specified **range** . Remains adjustable when the worshect is locked. EditStrin Puts a text edit box control in a **cell** . Returns a string **limited** to a specified maximum **number** of characters. Remains adjustable when the **worksheet** is locked. ListBox Puts a list box control in a **cell** . Returns the index of the selected list item. Remains adjustable when the **worksheet** is locked. Plot structure Stores a graphic. PlotArc Draws an arc graphic from a **starting** point to an **ending** point around a specified center point. PlotCircle Draws a circle graphic with a specified center...cell. Returns a floating-point value constrained to a specified range. Remains adjustable when the **worksheet** is locked.
Heading Graphics/Controls
Syntax EditFloat(Min, Max)
Inputs Min The minimum value for...

...Max The maximum value for the numeric selection graphic. Returns A floating-point value between **Min** and **Max** . Emits Nothing.
Effors Inval
Example
R
Comments This function gives you a way to let the operator input a floating-point value even when you lock the **worksheet** . The selection graphic remains adjustable even when the NOTE After you **define** a **numeric** selection graphic, you cannot click X on its **cell** as a shortcut for opening its property sheet. To reopen the property sheet@ you must...

...Returns an integer constrained to a specified range. The value remairis editable even when the **worksheet** is locked.
Heading Graphics/Controls
Syntax EditInt(Min Max)
Inputs Min The **minimum** value for the integer selection graphic. Max The **maximum** value for the integer selection graphic. Returns An integer between **Min** and **Max** . Emits Nothing. Errors Invalid parameter.
Appendix 1
199
nxx. ..... ... .. .... ....... Example ..... . Comments This function gives you...

...to let the operator input an integer even when you lock the NOTE After you **define** a **integer** selection graphic, you cannot click X on its **cell** as a shortcut for opening its property sheet. To reopen the property sheet, you must...

...select Formula.
See Also Button, Chart CheckBox. ColorLabel, Dialo EditFlo Ed6trin Lioox Gettin.e9arted with **Worksheet** Graphics.
COGNEX I R -Si
'44 A bo@ Graphics: EditString function
Description Puts a text...

...Returns a string constrained to a specified range. The value reinains editable even when the **worksheet** is locked.
Heading Graphics/Controls
Syntax EditString(MaxStringLen)
Inputs MaxStringLen Maximum length for the user...

File 347:JAPIO Dec 1976-2007/Mar(Updated 070809)
        (c) 2007 JPO & JAPIO
File 350:Derwent WPIX 1963-2007/UD=200751
        (c) 2007 The Thomson Corporation

| Set | Items | Description |
|---|---|---|
| S1 | 770155 | CELL OR CELLS |
| S2 | 6157 | S1(5N)BOUND? |
| S3 | 3894641 | BOUND? OR LIMIT??? OR LIMITATION? ? OR RESTRICT? OR CONFIN-???? OR CONFINEMENT? OR PROSCRIB? OR PRESCRIB? OR ALLOW? OR DE-FIN??? OR DEFINITION? OR FINITE OR CIRCUMSCRI? |
| S4 | 347885 | S3(5N)(VALUE OR VALUES OR DATA OR NUMBER? ? OR NUMERIC??) |
| S5 | 22601 | S3(5N)VARIABLE? ? |
| S6 | 6069 | S3(5N)(NUMERAL? ? OR DIGIT? ? OR INTEGER? ? OR DATUM? ?) |
| S7 | 1072926 | RANGE? ? OR RANGING OR ENDPOINT? OR STARTPOINT? |
| S8 | 125043 | (START??? OR BEGIN???? OR COMMENC??? OR COMMENCEMENT?)(30N-)(TERMINAT??? OR END? ? OR ENDED OR ENDING? ? OR CONCLUD? OR -CONCLUS?) |
| S9 | 1096754 | (MAXIMUM? OR UPPER OR BOUNDMAX? OR MAXBOUND? OR HIGHEST OR GREATEST)(30N)(MINIMUM? OR LOWER OR BOUNDMIN OR MINBOUND? OR -LOWEST OR SMALLEST OR LEAST OR BOTTOM) |
| S10 | 2391 | MAXMIN OR MINMAX OR MIN(1W)MAX |
| S11 | 2979 | SPREADSHEET? OR SPREAD()SHEET? ? |
| S12 | 979 | WORKSHEET? OR WORK()SHEET? ? |
| S13 | 7800 | S4:S6(30N)S1 |
| S14 | 1897 | (S2 OR S13) AND S7:S10 |
| S15 | 13 | S14 AND S11:S12 |
| S16 | 34383 | (S2 OR S4:S6)(30N)S7:S10 |
| S17 | 1277 | S16 AND S1 |
| S18 | 15 | S17 AND S11:S12 |
| S19 | 18 | S15 OR S18 |

19/69,K/3        (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0015851782  - Drawing available
WPI ACC NO: 2006-383472/200640
XRPX Acc No: N2006-323014
**Apparatus for controlling edit bar display size of electronic  spreadsheet**
Patent Assignee: ZHUHAI KINGSOFT CORP  (ZHUH-N); ZHUHAI KINGSOFT SOFTWARE
    CO LTD  (ZHUH-N)
Inventor: CHEN B; WAN L; WANG H; ZHANG Q
**Patent Family (2 patents,  2 countries)**

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | |
|---|---|---|---|---|---|---|---|
| CN 1737792 | A | 20060222 | CN 200510035475 | A | 20050629 | 200640 | B |
| US 20070016850 | A1 | 20070118 | US 2006479116 | A | 20060629 | 200708 | E |

Priority Applications (no., kind, date): CN 200510035475  A  20050629

**Patent Details**

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|---|---|---|---|---|
| CN 1737792 | A | ZH | | 1 | |
| CN A | | | | | |

   NOVELTY - This invention discloses one electrical form controlled edit
column display sizes, which is located in electrical form application main
window module parallel with editing column. The device comprisescontrol
edit column display status one sub device and second sub device with
display range of the designed content in edit column. The device runs to on
line monitor the edit module and get size datafrom said edit column.


**Title Terms/Index Terms/Additional Words:** APPARATUS; CONTROL; EDIT; BAR;

DISPLAY; SIZE; ELECTRONIC

Class Codes
International Classification (+ Attributes)
IPC + Level Value Position Status Version
  G06F-0017/24  A  I  F  B  20060101
  G06F-0017/00  A  I  F  B  20060101
  G06F-0017/24  C  I  L  B  20060101
  G06F-0017/00  C  I  F  B  20060101
US Classification, Issued: 715503000, 715504000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J11A
**Apparatus for controlling edit bar display size of electronic** spreadsheet

Original Titles:
System for controlling the display size of a formula bar in a **spreadsheet**

Original Publication Data by Authority


Original Abstracts:
...invention discloses a system for controlling the display size of a
formula bar in a **spreadsheet** . Application of this system will make
operation of the **spreadsheet** more convenient. The system for controlling
the display size of the formula bar and a formula bar module are parallel
in a main window module of a **spreadsheet** application, and the system
includes a sub-system I which controls the display state of...

...the size of the formula bar from the aforementioned formula bar module.
If the acquired **data** exceed the **prescribed** **range** , then it issues a
command to the aforementioned formula bar module requesting a change in...
Claims:
What is claimed is:<b>1</b>. A method for displaying a content associated
with a **cell** in a **spreadsheet** , the method comprising: displaying a
**spreadsheet** including at least a **cell** ;receiving a selection of the **cell**
;obtaining information associated with a content for the selected **cell**
;processing information associated with the content;displaying in a content
region the content for the selected **cell** , the content region being
associated with a region size;wherein: the content region and the selected
**cell** are related to different physical locations;the region size is
capable of being adjusted by...


  19/69,K/10     (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0013087067
WPI ACC NO: 2003-167798/200316
XRPX ACC No: N2003-132544
 Spreadsheet utilisation method by defining parameter external to
spreadsheet and associating parameter with spreadsheet to define
parameterised workbook
Patent Assignee: HANDSAKER R (HAND-I); KNOURENKO A (KNOU-I); NETVIEW
  TECHNOLOGIES INC (NETV-N); RASIN G (RASI-I)
Inventor: HANDSAKER R; KNOURENKO A; RASIN G
Patent Family (5 patents, 95 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | |
|---|---|---|---|---|---|---|---|
| WO 2003007118 | A2 | 20030123 | WO 2002US22004 | A | 20020712 | 200316 | B |
| US 20030110191 | A1 | 20030612 | US 2001305217 | P | 20010713 | 200340 | E |
| | | | US 2002193015 | A | 20020711 | | |
| AU 2002318298 | A1 | 20030129 | AU 2002318298 | A | 20020712 | 200452 | E |

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AU 2002318298      A8  20051013  AU 2002318298   A  20020712  200611  E
US 7251776         B2  20070731  US 2001305217   P  20010713  200751  E
                               US 2002193015   A  20020711
```

Priority Applications (no., kind, date): US 2001305217 P 20010713; US
    2002193015 A 20020711

Patent Details
```
Number            Kind  Lan  Pg  Dwg  Filing Notes
WO 2003007118     A2    EN   52   5
```
National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BY
    BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
    IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
    NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA
    ZW
Regional Designated States,Original: AT BE BG CH CY CZ DE DK EA EE ES FI
    FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG
    ZM ZW
```
```
US 20030110191   A1   EN   Related to Provisional US 2001305217
AU 2002318298   A1   EN   Based on OPI patent   WO 2003007118
AU 2002318298   A8   EN   Based on OPI patent   WO 2003007118
US 7251776   B2   EN   Related to Provisional US 2001305217
```

Alerting Abstract WO A2
NOVELTY - The method of using a **spreadsheet** involves defining a
parameter external to the **spreadsheet** and associating the parameter with
the **spreadsheet** to define a parameterised workbook. A location of the
spreadsheet may be stored and the name of the parameter may be stored in
the same storage module as the location.
DESCRIPTION - INDEPENDENT CLAIMS are included for; a system for using a
spreadsheet ; a method for using a number of **spreadsheets** ; a method for
storing information associated with a **spreadsheet** .
USE - Manipulating **spreadsheet** application programs.
ADVANTAGE - Efficiently and flexibly using **spreadsheet** information.
DESCRIPTION OF DRAWINGS - The drawing shows a block diagram of a complex
model comprising of parameterised workbooks in accordance with the
invention..
    105 Parameterised workbook
    110 Parameterised module
    110 Parameter module
    115 Workbook module
    120 Results module

Title Terms/Index Terms/Additional Words: UTILISE; METHOD; DEFINE;
    PARAMETER; EXTERNAL; ASSOCIATE

Class Codes
International Classification (Main): G06F, G06F-007/00
International Classification (+ Attributes)
```
IPC + Level Value Position Status Version
  G06F-0017/24  A  I     R  20060101
  G06F-0017/21  A  I  F  B  20060101
  G06F-0017/24  C  I     R  20060101
  G06F-0017/21  C  I     B  20060101
```
US Classification, Issued: 707503000, 715503000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J11G

 Spreadsheet utilisation method by defining parameter external to
spreadsheet and associating parameter with spreadsheet to define
parameterised workbook

Original Titles:

SYSTEM AND METHOD FOR EFFICIENTLY AND FLEXIBLY UTILIZING SPREADSHEET
INFORMATION...

...Defining external parameters in spreadsheets
...
...System and method for efficiently and flexibly utilizing spreadsheet
information...

...System and method for efficiently and flexibly utilizing spreadsheet
information...

...SYSTEM AND METHOD FOR EFFICIENTLY AND FLEXIBLY UTILIZING SPREADSHEET
INFORMATION

  Alerting Abstract ...NOVELTY – The method of using a spreadsheet
involves defining a parameter external to the spreadsheet and associating
the parameter with the spreadsheet to define a parameterised workbook. A
location of the spreadsheet may be stored and the name of the parameter
may be stored in the same...
DESCRIPTION – INDEPENDENT CLAIMS are included for; a system for using a
spreadsheet ; a method for using a number of spreadsheets ; a method for
storing information associated with a spreadsheet .
  ...

...USE – Manipulating spreadsheet application programs...

...ADVANTAGE – Efficiently and flexibly using spreadsheet information

Original Publication Data by Authority

Original Abstracts:
In one aspect, the present invention relates to utilizing a spreadsheet
by defining a parameter external to the spreadsheet and associating the
parameter with the spreadsheet to define a parameterized workbook. In one
embodiment, this utilization further comprises storing a location of the
spreadsheet and storing the name of the parameter in the same storage
module as the location. In another embodiment, it includes defining a
result external to the spreadsheet , the result referencing one or more
cells within the spreadsheet . In another embodiment, this utilization
further comprises receiving a value for the parameter and generating the
result based at least in part on the value and the spreadsheet . In
another embodiment, it further comprises associating a type with the
parameter. The type can define a range of values or attributes
associated with the parameter...

...In one aspect, the present invention relates to utilizing a spreadsheet
 by defining a parameter external to the spreadsheet and associating the
parameter with the spreadsheet to define a parameterized workbook. In one
embodiment, this utilization further comprises storing a location of the
spreadsheet and storing the name of the parameter in the same storage
module as the location. In another embodiment, it includes defining a
result external to the spreadsheet , the result referencing one or more
cells within the spreadsheet . In another embodiment, this utilization
further comprises receiving a value for the parameter and generating the
result based at least in part on the value and the spreadsheet . In
another embodiment, it further comprises associating a type with the
parameter. The type can define a range of values or attributes
associated with the parameter...

...In one aspect, the present invention relates to utilizing a spreadsheet
 by defining a parameter external to the spreadsheet and associating the
parameter with the spreadsheet to define a parameterized workbook. In one
embodiment, this utilization further comprises storing a location of the
spreadsheet and storing the name of the parameter in the same storage

module as the location. In another embodiment, it includes defining a result external to the **spreadsheet** , the result referencing one or more cells within the **spreadsheet** . In another embodiment, this utilization further comprises receiving a value for the parameter and generating the result based at least in part on the value and the **spreadsheet** . In another embodiment, it further comprises associating a type with the parameter. The type can **define** a **range** of **values** or attributes associated with the parameter...

Claims:

What is claimed is: [A Parameterized Workbook]1. A method for utilizing a **spreadsheet** , the method comprising:defining a parameter external to the **spreadsheet** ; andassociating the parameter with the **spreadsheet** to define a parameterized workbook...

...What is claimed is:1. A method for utilizing a **spreadsheet** , the method comprising: defining a parameter external to the **spreadsheet** ;associating the parameter with the **spreadsheet** at design time to define a parameterized workbook, wherein the parameter applies to the **spreadsheet** as a whole, thereby allowing any formula in the **spreadsheet** to reference the parameter;receiving a value for the parameter at run time;computing **cell** values in the **spreadsheet** that are dependent, directly or indirectly, on parameter; andrendering an output based on the computed **cell** values.

? t19/69,k/16

  19/69,K/16   (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0008025192 - Drawing available
WPI ACC NO: 1997-118592/199711
XRPX Acc No: N1997-097738
Interactive formula compiler and range estimating method - involves breaking down formula into sequence of primitive operations, estimating bounds for each operation and evaluating each formula as sequence of interval operations
Patent Assignee: SCHLAFLY R (SCHL-I)
Inventor: SCHLAFLY R
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 5600584	A	19970204	US 1992945262	A	19920915	199711	B

Priority Applications (no., kind, date): US 1992945262 A 19920915

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5600584	A	EN	18	9	

  Alerting Abstract US A
  The computer implemented method for estimating the **range** of a numeric formula in an interactive computer program involves representing real numbers as intervals. The formula is broken down into a sequence of primitive operations.
  Bounds for each operation are estimated using the directed operations of an IEEE floating point arithmetic processor. Decimal numbers are converted precisely. Each interval is displayed in a **cell** and the formula is evaluated as a sequence of interval operations.
  USE/ADVANTAGE - Systematically and efficiently handles numerical errors in interactive **spreadsheet** -type computer program. Provides strict rigorous bounds for numeric outputs. compiles **spreadsheet** formulas into native code which is significantly more efficient than p-code.

Title Terms/Index Terms/Additional Words: INTERACT; FORMULA; COMPILE;
   RANGE ; ESTIMATE; METHOD; BREAK; DOWN; SEQUENCE; PRIMITIVE; OPERATE;

BOUND; EVALUATE; INTERVAL

Class Codes
International Classification (Main): G06F-007/38
 (Additional/Secondary): G06F-011/30, G06F-003/14
US Classification, Issued: 364745000, 364736000, 364736500, 395764000,
 395183140

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F05A; T01-J04; T01-J11G; T01-S01A

Interactive formula compiler and range **estimating method...**

Original Titles:
Interactive formula compiler and **range** estimator.

   Alerting Abstract ...The computer implemented method for estimating the
range of a numeric formula in an interactive computer program involves
representing real numbers as intervals...

...floating point arithmetic processor. Decimal numbers are converted
precisely. Each interval is displayed in a **cell** and the formula is
evaluated as a sequence of interval operations...

...USE/ADVANTAGE - Systematically and efficiently handles numerical errors
in interactive **spreadsheet** -type computer program. Provides strict
rigorous bounds for numeric outputs. compiles **spreadsheet** formulas into
native code which is significantly more efficient than p-code.

Title Terms.../Index Terms/Additional Words: **RANGE** ;

Original Publication Data by Authority

Claims:
   A computer-implemented method for estimating the **range** of a numeric
formula in an interactive computer program, comprising representing real
numbers as intervals; breaking the formula into a sequence of primitive
operations; estimating bounds for each primitive operation; converting
decimal **numbers precisely** ; displaying each interval in a **cell** ; and
evaluating said formula as a sequence of interval operations.
? t19/69,k/17-18

 19/69,K/17   (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0007041885 - Drawing available
WPI ACC NO: 1995-060709/199508
XRPX Acc No: N1995-048321
**Fuzzy spreadsheet data processing system - stores representations of
fuzzy numbers in cells of spreadsheet , operates on fuzzy numbers and
displays numbers in spreadsheet and graphical format**
Patent Assignee: FUZIWARE INC (FUZI-N)
Inventor: THORNDIKE K E; VRBA J A
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 5381517	A	19950110	US 1992949268	A	19920921	199508	B

Priority Applications (no., kind, date): US 1992949268 A 19920921

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5381517	A	EN	16	10	

Alerting Abstract US A
The data processing system includes a memory storing instructions and data. A fuzzy **spreadsheet** is stored in memory and has a number of **cells** , preferably arranged in columns and rows. The processor, stored instructions and stored data comprise a controller that receives input data and stores representations in **cells** . These representations include representations of fuzzy values. Operations, such as arithmetic operations, are performed on the data stored in the **cells** , including the fuzzy values, to produce derived representations that are stored in the **cells** and may be fuzzy values or crisp numbers or text.
   To facilitate a user's appreciation of a particular fuzzy number, the **spreadsheet** selectively simultaneously displays two representations of a fuzzy value, namely, a centroid and a graph. Also, the processor converts crisp numbers to fuzzy numbers by a procedure whereby a gallery of graphs stored in memory is displayed and, in response to user commands, at least three crisp numbers are associated with the graph. The processor also defuzzifies numbers by replacing a representation of a fuzzy number in a **cell** of the **spreadsheet** with a centroid.
   USE/ADVANTAGE - Inputting, processing and outputting data in **spreadsheet** having rows and columns of **cells** for containing numbers, text or formulas.

Title Terms/Index Terms/Additional Words: FUZZ; DATA; PROCESS; SYSTEM; STORAGE; REPRESENT; NUMBER; **CELL** ; OPERATE; DISPLAY; GRAPHICAL; FORMAT

Class Codes
International Classification (Main): G06F-009/44
US Classification, Issued: 395061000, 395900000, 395076000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F06; T01-J11; T01-J16B

Fuzzy spreadsheet **data processing system...**

...**stores representations of fuzzy numbers in** cells **of** spreadsheet , **operates on fuzzy numbers and displays numbers in** spreadsheet **and graphical format**

Original Titles:
Fuzzy **spreadsheet** data processing system

   Alerting Abstract ...The data processing system includes a memory storing instructions and data. A fuzzy **spreadsheet** is stored in memory and has a number of **cells** , preferably arranged in columns and rows. The processor, stored instructions and stored data comprise a controller that receives input data and stores representations in **cells** . These representations include representations of fuzzy values. Operations, such as arithmetic operations, are performed on the data stored in the **cells** , including the fuzzy values, to produce derived representations that are stored in the **cells** and may be fuzzy values or crisp numbers or text...

...To facilitate a user's appreciation of a particular fuzzy number, the **spreadsheet** selectively simultaneously displays two representations of a fuzzy value, namely, a centroid and a graph...

...The processor also defuzzifies numbers by replacing a representation of a fuzzy number in a **cell** of the **spreadsheet** with a centroid...

...USE/ADVANTAGE - Inputting, processing and outputting data in **spreadsheet** having rows and columns of **cells** for containing numbers, text or formulas.

Title Terms.../Index Terms/Additional Words: **CELL** ;

Original Publication Data by Authority

Original Abstracts:

A data processing system includes a memory with instructions and data stored therein. A fuzzy **spreadsheet** is stored in **memory** and has a plurality of **cells** , preferably arranged in **columns** and rows. The processor, stored instructions and stored data comprise a controller that receives input data and stores representations in **cells** . These representations include **representations** of fuzzy values. Operations, such as arithmetic operations, are performed on the data stored in the **cells** , including the fuzzy **values** , to produce derived representations that are stored in the **cells** and may be **fuzzy** values or crisp numbers or text. To facilitate a user's appreciation of a particular fuzzy number, the **spreadsheet** selectively simultaneously displays **two** representations of a fuzzy value, namely, a centroid and a graph. Also, the processor converts
...

...The processor also defuzzifies numbers by replacing a representation of a fuzzy number in a **cell** of the **spreadsheet** **with** a centroid.

Claims:

A data processing system for inputting, processing and outputting data in a **spreadsheet** having **rows** and columns of **cells** for **containing** numbers, text or formulas and wherein the contents of each **cell** are **selectively** definable as the result of operations on one or more of the other **cells** such **that** changing the contents of one **cell** selectively **impacts** other **cells** , comprising: **a** memory; said memory for holding stored instructions and stored data, said stored instructions and stored data including a data processing representation of said fuzzy **spreadsheet** including **a** plurality of **cells** for **holding** data; a processor for processing data; input means for producing input data and input instructions in response to a user including means for allowing a user to **define** and **input** a fuzzy **number** as **an** element of said fuzzy **spreadsheet** ; said **processor** and memory further comprising: a controller for receiving input data and input instructions and in response thereto for producing and storing data in said **cells** , said input data and stored data selectively including fuzzy numbers, a fuzzy number being defined by an **upper** limit, **a** **lower** limit, **said** **upper** and **lower** limits **defining** a **range** , and **at** **least** one **crisp** **number** pair where one number of said pair is a crisp number in the **range** and **the** other crisp number of said pair being a non-zero degree of believe; and means for performing fuzzy mathematical operations on the data stored in said **cells** in **response** to input instructions and stored instructions to produce derived numbers, said fuzzy mathematical operations including fuzzy mathematical operations on said fuzzy numbers that were selectively stored in said **cells** of **said** fuzzy **spreadsheet** for **producing** at least a fuzzy number that bears a relationship to at least one of said fuzzy numbers that were stored in said **cells** on which fuzzy mathematical operations were performed; wherein said controller stores said fuzzy number in one of said **cells** of **said** fuzzy **spreadsheet.**

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Patent                          Application
Number          Kind   Date     Number          Kind   Date      Update
US 5359729       A    19941025   US 1991707885    A    19910531   199442  B
                                 US 1993162839    A    19931203
```

Priority Applications (no., kind, date): US 1991707885 A 19910531; US
    1993162839 A 19931203

Patent Details
```
Number          Kind  Lan   Pg  Dwg  Filing Notes
US 5359729       A    EN    7    3   Continuation of application  US
    1991707885
```

Alerting Abstract US A
The method involves defining regions, such as those determined by
attributes in a **spread   sheet** , by ranges of attribute values. Regions
are distinct if they differ in their number of ranges (dimension) or
because a pair of corresponding ranges fail to overlap.
A region is located for a given point by; sorting the regions by lower
range value and dimension to form list A, then by upper range and dimension
to form list B, paring lists A and B to sublists of the dimension of the
point, and searching the shorter of the pared lists.
USE/ADVANTAGE - Sorting and searching data tables and for using tables to
streamline operation of electronic **spreadsheets** .

Title Terms/Index Terms/Additional Words: SEARCH; POINT; REGION; DEFINE;
    ATTRIBUTE; RANGE; SPREAD; SHEET; STORAGE; ONE; MORE; TABLE; SEPARATE;
    CELL ; DATA; SORT

Class Codes
International Classification (Main): G06F-015/40
US Classification, Issued: 395600000, 395155000, 395011000, 364DIG001,
    364408000, 364222900, 364223000, 364224300, 364246300, 364282100,
    340146200

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B2; T01-J11

searching for point in regions defined by attribute ranges in e.g spread
sheet - ...

...**storing one or more attribute tables separately from** cell **data and
sorting and searching attribute data**

Alerting Abstract ...The method involves defining regions, such as those
determined by attributes in a **spread   sheet** , by ranges of attribute
values. Regions are distinct if they differ in their number of...

...ADVANTAGE - Sorting and searching data tables and for using tables to
streamline operation of electronic **spreadsheets** .

Title Terms.../Index Terms/Additional Words: CELL ;

Original Publication Data by Authority

Original Abstracts:
Regions, such as those determined by attributes in a **spread   sheet** , are
defined   by   ranges of attribute   values . Regions are distinct if
they differ in their number of **ranges** (dimension) or because a pair of
corresponding **ranges** fail to overlap. A region is located for a given
point by: (1) sorting the regions by lower range...
?

Set	Items	Description
S1	5623171	CELL OR CELLS
S2	36847	S1(5N)BOUND?
S3	11484105	BOUND? OR LIMIT??? OR LIMITATION? ? OR RESTRICT? OR CONFIN-. ??? OR CONFINEMENT? OR PROSCRIB? OR PRESCRIB? OR ALLOW? OR DE- FIN??? OR DEFINITION? OR FINITE OR CIRCUMSCRI?
S4	1004595	S3(5N)(VALUE OR VALUES OR DATA OR NUMBER? ? OR NUMERIC??)
S5	84720	S3(5N)VARIABLE? ?
S6	12828	S3(5N)(NUMERAL? ? OR DIGIT? ? OR INTEGER? ? OR DATUM? ?)
S7	4734847	RANGE? ? OR RANGING OR ENDPOINT? OR STARTPOINT?
S8	128250	(START??? OR BEGIN???? OR COMMENC??? OR COMMENCEMENT?)(30N-)(TERMINAT??? OR END? ? OR ENDED OR ENDING? ? OR CONCLUD? OR - CONCLUS?)
S9	574048	(MAXIMUM? OR UPPER OR BOUNDMAX? OR MAXBOUND? OR HIGHEST OR GREATEST)(30N)(MINIMUM? OR LOWER OR BOUNDMIN OR MINBOUND? OR - LOWEST OR SMALLEST OR LEAST OR BOTTOM)
S10	9884	MAXMIN OR MINMAX OR MIN(1W)MAX
S11	25983	SPREADSHEET? OR SPREAD()SHEET? ?
S12	4324	WORKSHEET? OR WORK()SHEET? ?
S13	52870	S4:S6 AND S1
S14	10922	(S2 OR S13) AND S7:S10
S15	11	S14 AND S11:S12
S16	150014	(S2 OR S4:S6) AND S7:S10
S17	10922	S16 AND S1
S18	11	S17 AND S11:S12
S19	11	S15 OR S18
S20	1	S19/2005:2007
S21	10	S19 NOT S20
S22	9	RD (unique items)

22/7/4   (Item 1 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)
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07265372   E.I. No: EIP95102889104
   Title: Dynamic what-if analysis: exploring computational dependencies.
with slidercells and micrographs
   Author: Truve, Staffan
   Corporate Source: Chalmers Univ of Technology
   Conference Title: Proceedings of the Conference on Human Factors in
Computing Systems. Part 2 (of 2)
   Conference Location: Denver, CO, USA   Conference Date: 19950507-19950511
   E.I. Conference No.: 43724
   Source: Human Factors in Computing Systems (CHI) - Conference Proceedings
v 2 1995. ACM, New York, NY, USA. p 280-282
   Publication Year: 1995
   CODEN: 002163
   Language: English
   Document Type: CA; (Conference Article)   Treatment: G; (General Review)
   Journal Announcement: 9512W1
   Abstract: The use of **spreadsheets** for what-if analyses can be
simplified by **allowing** **cell** **values** to be set by small sliders and
displayed as micro-graphs. The sliders define a **range** in which a **cell**
value will be varied, and the graphs illustrate how other **cell** values
vary when the slider- **cell** has a value in the **range** . The resulting mode
of operation emphasizes interaction between the system and the user in
searching for a desirable value of a **cell** , and also illustrates the
stability of that value by showing the value in a context around it.
(Author abstract) 6 Refs.

   22/7/5   (Item 2 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)
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04829688   E.I. Monthly No: EI8512113907   E.I. Yearly No: EI85019956
   Title: ADAPTING THE SPREADSHEET TO ENGINEERING PROBLEMS.
   Author: Palmer, M. E. III; Pecht, M. G.; Horan, J. V.
   Corporate Source: Univ of Maryland, Dep of Mechanical Engineering,
College Park, MD, USA
   Source: Computers in Mechanical Engineering v 4 n 2 Sep 1985 p 49-56
   Publication Year: 1985
   CODEN: CMENDY   ISSN: 0745-9726
   Language: ENGLISH
   Document Type: JA; (Journal Article)   Treatment: A; (Applications); T;
(Theoretical)
   Journal Announcement: 8512
   Abstract: A **spreadsheet** is composed of a two-dimensional matrix of
entries, called **cells** , which can contain information of three types:
text, numbers, or formulas. Programming a **spreadsheet** involves entering
formulas into **cells** . A formula can be moved or copied from one **cell** or
range to another. **Spreadsheets** can be used to solve fundamental problems
in the area of numerical analysis including nonlinear and linear equations,
interpolation, approximation, least squares fitting, initial **value**
problems, **boundary** **value** problems and differential equations. An
example of heat transfer in a printed circuit board is given. 8 refs.

   22/7/8   (Item 1 from file: 35)
DIALOG(R)File   35:Dissertation Abs Online
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01783729 ORDER NO: AADAA-I9996522
Tapestry over time: A tableau approach to the visualization of
multivariate dynamics
   Author: Hanes, John Chisman, Jr.
   Degree: Ph.D.
   Year: 2000
   Corporate Source/Institution: The University of North Carolina at

Originating from an evaluation conducted by the author for the Center for the Study of Social Issues, University of North Carolina - Greensboro (UNCG), under contract with Family and Children's Services of Greensboro, NC, the Tapestry Over Time (TOT) approach to the display of multivariate data utilizes Microsoft's Excel **spreadsheet** for showing data in a variety of combinations. Each workbook in Excel may contain up to 256 **worksheets** (**spreadsheets**). This **allows** manipulation of subjects, **variables** , and occasions by pivoting rows and columns as well as **worksheets** to display any two or all three of these elements of data on a single **worksheet** . By assigning colors to either discrete values or **ranges** of values for continuous variables, and by applying these colors to the **spreadsheet cells** containing the values, patterns and associations among a number of subjects, variables, and occasions reveal themselves without reliance upon Excel's many charting possibilities.

Among a number of techniques for graphic multivariate display, Chernoff faces offers a uniquely engaging and fairly widely applied representation of these approaches. To compare the efficacy and efficiency of TOT to Chernoff faces with regard to United States social indicators, the author developed two short instruments that he administered to a convenience sample of 75 undergraduate and graduate students enrolled in six courses conducted by the departments of Educational Research Methodology and Geography at UNCG. Principal results show that TOT outperformed Chernoff faces in enhancing understanding of the data, retention of the method of presentation, and preference ratings, but only reflected a negligible advantage on total response time.

Some other explorations with TOT demonstrate the **range** and utility of this method of multivariate data display. Many features of Excel enhance the versatility of the TOT approach to increase understanding with fidelity in the presence of complex data structures.
?

File 347:JAPIO Dec 1976-2007/Mar(Updated 070809)
          (c) 2007 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-2007/ 200731
          (c) 2007 European Patent Office
File 349:PCT FULLTEXT 1979-2007/UB=20070809UT=20070802
          (c) 2007 WIPO/Thomson
File 350:Derwent WPIX 1963-2007/UD=200751
          (c) 2007 The Thomson Corporation

Set   Items   Description
S1   145   AU=(HOBBS C? OR HOBBS, C?)
S2   10   AU=(LEGENDRE S? OR LEGENDRE, S?)
S3   1097   AU=(NELSON M? OR NELSON, M?)
S4   1252   S1:S3
S5   45   (SPREADSHEET? OR SPREAD()SHEET? ?)(10N)BOUND?
S6   1   S4 AND S5
S7   9960   BOUND?(10N)FORMULA?
S8   1   S4 AND S7
S9   1   S6 OR S8
? t9/5

9/5/1   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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02033593
Functions acting on arbitrary geometric paths
Auf willkurliche geometrische Pfade bezogene Funktionen
Fonctions employant les segments geometriques arbitraires '
PATENT ASSIGNEE:
  MICROSOFT CORPORATION, (749866), One Microsoft Way, Redmond, WA 98052,
    (US), (Applicant designated States: all)
INVENTOR:
    Hobbs, Craig A. , c/o Microsoft Corporation One Microsoft Way, Redmond,
    WA 98052, (US)
LEGAL REPRESENTATIVE:
  Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721),
    Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1635269 A2 060315 (Basic)
APPLICATION (CC, No, Date):   EP 2005104617 050530;
PRIORITY (CC, No, Date): US 940445 040914
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ABSTRACT EP 1635269 A2
    A facility for evaluating a spreadsheet cell is described. The facility
    reads a function call stored in a spreadsheet cell. The function call
    specifies an arbitrary geometric path and an operation to be performed on
    the specified path. The facility performs the specified operation on the
    specified path, and attributes one or more values produced thereby as the
    evaluated value of the spreadsheet cell.
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